Date: Thu, 26 Aug 93 04:30:01 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #251
To: packet-radio

Packet-Radio Digest Thu, 26 Aug 93 Volume 93 : Issue 251

Today's Topics:
anyone tried the Alinco DR-1200TH??? (2 msgs)
AOR AR-210 TNC
getting on internet through packet in Southern Africa
Gracilis help?
PackeTwin system from Gracilis
Quadrature Modulators for QPSK
TheNet version X1J (2 msgs)
Tiny-2 + g3ruh modem

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 25 Aug 1993 11:54:46 GMT
From: news.Hawaii.Edu!tony@ames.arpa
Subject: anyone tried the Alinco DR-1200TH???
To: packet-radio@ucsd.edu

I just heard about a new 'data' radio from Alinco called the DR-1200TH. It's supposed to be designed specifically for 9600 BAUD packet. Has anybody out there tried this new radio out yet? Is it just a DR-1200 with Alinco's suggested mods for 9600 BAUD?

--
Antonio Querubin
tony@mpg.phys.hawaii.edu / ah6bw@uhm.ampr.org / querubin@uhunix.bitnet

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Date: Wed, 25 Aug 1993 20:47:49 GMT
From: world!dts@uunet.uu.net
Subject: anyone tried the Alinco DR-1200TH???
To: packet-radio@ucsd.edu

I read advertisements for the DR-1200TH with great interest. I hope the
other radio manufacturers take notice. What I'd really like to see is
a 440 MHz version of the DR-1200TH, since 9600 operation is more prevalent
on that band.

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---------------------------------------------------------------
Daniel Senie                 Internet:     dts@world.std.com
Daniel Senie Consulting                    n1jeb@world.std.com
508-365-5352                 Compuserve:   74176,1347
```

Date: 25 Aug 1993 23:27:25 GMT
From: koriel!west.West.Sun.COM!male.EBay.Sun.COM!jethro.Corp.Sun.COM!piton!billd@ames.arpa
Subject: AOR AR-210 TNC
To: packet-radio@ucsd.edu

Does anyone have any experiences, positive or negative, with the AOR AR-210 TNC?
I am considering using it with a 386/486 notebook computer for portable operation.
I'll probably run ka9q or other package to enable me to use tcp/ip as well as
ax.25.

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Bill Dorsey    N3LMF
PGP 2.X public key
available on request
```

Date: 25 Aug 1993 15:42:16 -0600
From: concert!news-feed-2.peachnet.edu!umn.edu!lynx.unm.edu!polaris.unm.edu!news-user@decwrl.dec.com
Subject: getting on internet through packet in Southern Africa
To: packet-radio@ucsd.edu

I will be conducting research in Botswana and South
Africa during the upcoming year. I will be in remote
areas, but would like to maintain contact with colleagues
through internet. Would it be possible to use my HF radio

and a packet modem to connect with internet? Are there any universities with such capabilities. I am not a regular reader of your news group. If anyone can answer these questions, please write me directly at hkaplan@bootes.unm.edu. Thank you.

Date: Wed, 25 Aug 1993 12:07:37 GMT
From: pipex!sunic!trane.uninett.no!news.eunet.no!nuug!news.eunet.fi!KremlSun!isknews!simtel!stc.simbirsk.su!bwm@uunet.uu.net
Subject: Gracilis help?
To: packet-radio@ucsd.edu

Hello all,
I am trying to attach Gracilis PackeTwin controller to UNIX software:
ISC 3.0 or 386BSD but look like I need driver for this device. Can
anyone help with it?

Please crosspost your respond's to: bwm@stc.simbirsk.su

--
Vladimir Barmin

Date: 25 Aug 93 21:09:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: PackeTwin system from Gracilis
To: packet-radio@ucsd.edu

Is anyone familiar with
PackeTwin system made by Gracilis
which is an integrated packet&radio for using on IBM PC's?

Your comments on the performance of that system will be appreciated.

Thanks.

>> Ali Taalebi
taalebi@gel.ulaval.ca

Date: Wed, 25 Aug 1993 17:48:10 GMT
From: koriel!sh.wide!wnoc-snd-ss2!sakunami!gatortia!wapiko!jf7pbw!yumyum!jf7wex@decwrl.dec.com
Subject: Quadrature Modulators for QPSK

To: packet-radio@ucsd.edu

The 2Mbps differentially encoded QPSK PCM audio standard was proved to be used only for Japanese satellite broadcasting. A few weeks ago, one of my fellow bought a chip similar to Toshiba's that I pointed several months ago except not including differential decoder and serial-parallel converter coming from NEC. This chip was proved to work at 10.7MHz input and to work on lower bit rate.

I am going to build a quadrature modulator which consists of a Wilkinson power devider, two balanced mixers, and a branched hybrid all parts on a epoxy fiberglass board on 1.2GHz band.

For measureing frequency-amplitude(power deviding ratio) characteristics of a branched hybrid, I made it. Since a full-size plan was drawn on 1mm square paper and all processes were done by my hands, maximal error of line breadth came to 0.4mm. (each length is ok.) Precise working would requir more accurate processing. I'll try again using resisting tape.

It is measured using an improvised 1.2GHz VFO to feed signal, a wave-length ruler (which consists of a variable length coaxial resonator, a Schottky diode rectifier, a variable resister for various sensitivity, and a meter.) to check frequency, and a micro power meter to measure outputs. However all sizes are caluculated for 1.29GHz, fed power was just devided 1:1 at a little above 1.3GHz and then isolation seemd good because the wave-length ruler did not sense at the terminated isolated port. I am very interested in its phase accuracy and the way to put it to properly low not using expensive equipment.

By the way, I found a quadrature modulator chip for home-use 240MHz digital wireless telephone. This internally has a phase splitter and mixers, and must have phase accuracy which is low enough.

Any advice is welcome.
Thanks in advance.

Ryuji Suzuki, JF7WEX
Packet Radio User's Group PRUG

Date: Wed, 25 Aug 1993 14:53:15 GMT
From: agate!spool.mu.edu!uwm.edu!rpi!clarkson!cheetah.ece.clarkson.edu!
tadd@ames.arpa
Subject: TheNet version X1J
To: packet-radio@ucsd.edu

mgb@tecnet1.jcte.jcs.mil writes:

>I've asked about where to get TheNet version X1J, and have been told
>that it is presently under beta test. I've looked for it all over the
>internet with no luck.

>I managed to obtain it and am now running it on two nodes with no problems
>as of yet. It seems to be being passed around hand to hand and under the
>table apparently, but the fact is that it is going up all over the country
>beta test or not. I guess you might call that one heck of a beta test.

>In any case I have placed it on ucsd.edu in hamradio\packet\tcpip\incoming
>although I did not give any explanation for it. (sorry brian).

X1J beta 1 (there have been two beta versions that I have tested)
has a problem where when it resets it may arbitrarily trash it's
NVRAM. This may do anything from take the node off the air to giving
it a callsign that is different. In between those two it
may create a node list that has all sorts of control characters
in it.

The other version of the beta test didn't boot for me at all.
I'd recommend waiting for X1J, the release or using X1H for anything
that requires ANY amount of work to change out.

-Tadd, KA2DEW tadd@cheetah.ece.clarkson.edu

Date: Wed, 25 Aug 93 15:12:53 GMT
From: netcomsv!bongo!skyld!jangus@decwrl.dec.com
Subject: TheNet version X1J
To: packet-radio@ucsd.edu

In article <9308250532.AA13335@tecnet1.jcte.jcs.mil> mgb@tecnet1.jcte.jcs.mil
writes:

>
> I've asked about where to get TheNet version X1J, and have been told
> that it is presently under beta test. I've looked for it all over the

> internet with no luck.

...

> In any case I have placed it on ucsd.edu in hamradio\packet\tcpip\incoming although I did not give any explanation for it. (sorry brian).
>
> If it does not get killed .. go and get it. What's the saying? Caveat-Emptor???   I think it applies here, although it is presently working perfectly.

Sounds like the television networks all wanting to be first with the news and none wanting to wait until they get real news.

Buck Rogers is mailing out copies of it (thenet x1j) as well via diskette and stated as much in the September 73 edition of CQ where he highlights the deviation telemetry option on the JHeard command.

I guess the "never mind if it works right, as long as it's the newest" mentality is what has kept the Kenwood TS-9xx product line profitable.

```
 Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA  |  "It is difficult to imagine our
Internet: jangus@skyld.tele.com          |  universe run by a single omni-
 US Mail: PO Box 4425 Carson, CA 90749   |  potent god. I see it more as a
   Phone: 1 (310) 324-6080               |  badly run corporation."
```

Date: Wed, 25 Aug 1993 11:48:05 GMT
From: pipex!uknet!icsbelf!johna@uunet.uu.net
Subject: Tiny-2 + g3ruh modem
To: packet-radio@ucsd.edu

Hi All,
Has anyone managed to connect a g3ruh 9600 baud modem to a Tiny-2 ? If so what was your experience of the work involved ? I would be glad to hear any and all comments as I intend to upgrade my Tiny-2 to 9600 baud in the very near future.
Thanks in advance,

```
--
 ----------------------------------------------------------------------------
 John Agnew,                  |      johna@icsbelf.co.uk
 ICS Computing Group Ltd,     |  ...!uknet!icsbelf!johna
 Belfast (Northern Ireland)   |  Gi6IRL@GB7TED.GBR.EU [44.131.15.11]
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End of Packet-Radio Digest V93 #251
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